

PAT-NO: JP403193982A

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TITLE: DYED CONJUGATE FIBER

PUBN-DATE: August 23, 1991

INVENTOR- INFORMATION:

NAME

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KUWABARA, MASATO

HASEGAWA, YOSHITERU

color fast to light
wash fast

Shaft - PA = $\leq 10\%$ dyed
(dyed)

COUNTRY Core - PET
N/A

ASSIGNEE- INFORMATION:

NAME

TORAY IND INC

APPL-NO: JP01331999

APPL-DATE: December 20, 1989

INT-CL (IPC): D06P003/82, D01F008/12 , D01F008/14

US-CL-CURRENT: 428/373

ABSTRACT:

PURPOSE: To obtain the subject fiber excellent in color fastness to light and washing by dyeing sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a specific modified polyester is arranged in the core part only with a cationic dye to specific values of the percentage exhaustions in the sheath and core parts.

CONSTITUTION: Sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a sulfonated aromatic

dicarboxylic acid-modified polyester (e.g. sulfoxyisophthalic acid) is arranged in the core part at 20-75wt.% conjugate ratio of the polyamide sheath part is dyed only with a cationic dye to regulate the dye percentage exhaustion of the sheath part to ≤10% based on that of the aforementioned core part and ≤0.2% owf. Thereby, the objective conjugate fiber, excellent in color fastness to light and washing and dyed to a bright color is obtained. The resultant fiber is suitable as sportswear, outerwear, etc.

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